SONY

3-751-016-21 (1)

LCD Color Monitor

XV-M30

Operating Instructions page 2

Before operating the unit, please read this manual thoroughly and retain it for future reference.

Mode d'emploi page 25

Avant la mise en service de cet appareil, prière de lire attentivement ce mode d'emploi que l'on conservera pour toute référence ultérieure.

Manual de instrucciones página 47

Antes de emplear la unidad, lea cuidadosamente este manual, y guárdelo para futuras referencias.

Owner's Record

The model and serial numbers are located at the rear. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. XV-M30 Serial No. _____

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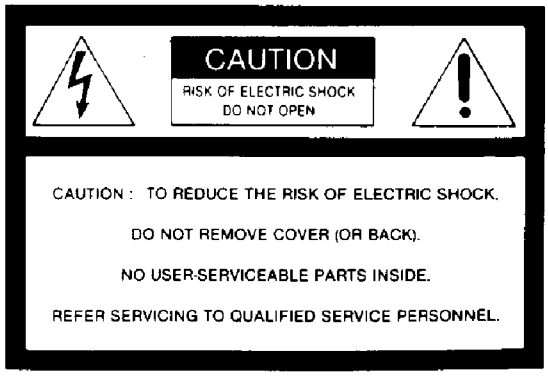
Warning

To prevent fire or shock hazard, do not expose the unit to rain or moisture.


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK.
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

INFORMATION

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient the receiving antenna
Relocate the equipment with respect to the receiver
Move the equipment away from the receiver
Plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.

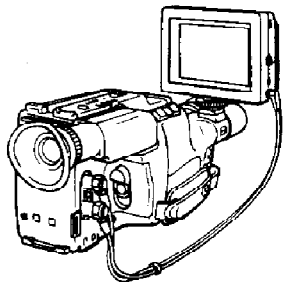
If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:
"How to Identify and Resolve Radio-TV Interference Problems".
This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

For the customers in Canada

This apparatus complies with the Class B limits for radio noise emissions set out in Radio Interference Regulations.

Overview

The Sony XV-M30 is a handy color monitor that you can easily attach to the accessory receptacle of a video camera recorder.



With the XV-M30, you can:

- Enjoy the color playback of a video tape you have just recorded, whether you are in a room, in a car, in a train, or in other areas.
- Monitor a color picture being recorded without using the viewfinder of the video camera recorder, for example, if you are recording with the camera fixed to its tripod.
- Play back commercially available soft tapes in a car, in a train, or in other areas, if the monitor is used together with a video camera recorder such as the CCD-TR55.

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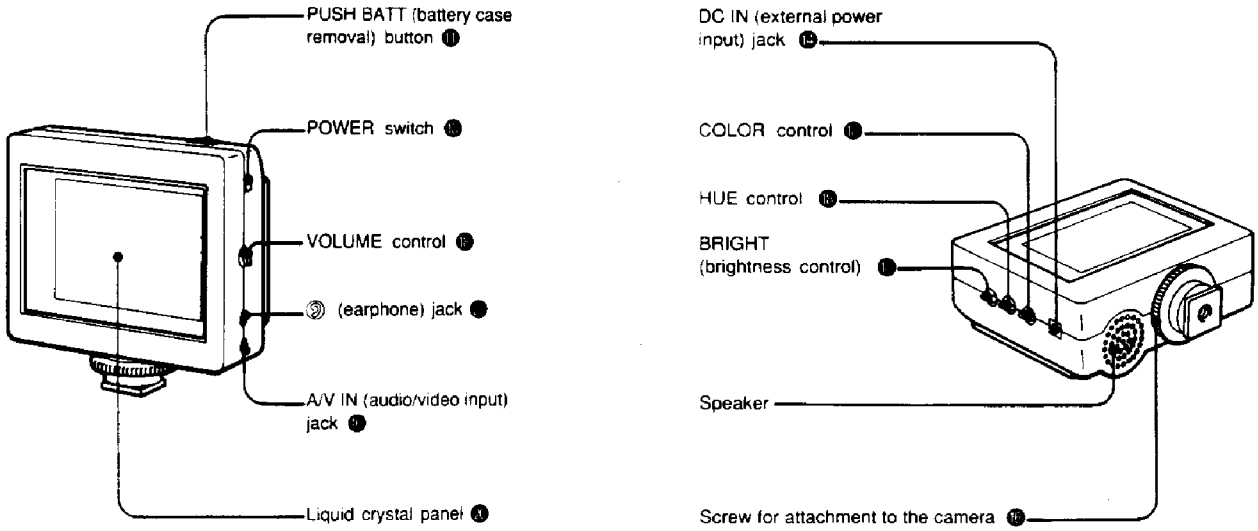
Parts Identification

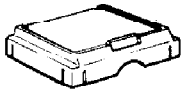
Refer to the pages indicated in ● for details.


PUSH BATT (battery case removal) button ⓫
POWER switch ⓲
VOLUME control ⓲
(earphone) jack ●
A/V IN (audio/video input) jack ⓳
Liquid crystal panel Ⓐ
DC IN (external power input) jack ⓳
COLOR control ⓲
HUE control ⓲
BRIGHT (brightness control) ⓲
Speaker
Screw for attachment to the camera ⓰

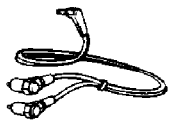
Supplied accessories

Battery case (1)

Monitor stand (1)



Shading hood (1)

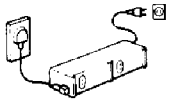
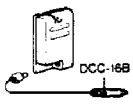
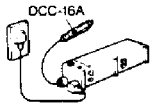


AV signal connecting cord (1)

Bounce shoe (1)

Supplying the Power

Selection of Power Sources

Where used	Equipment needed (not supplied)
In a room, etc. (where house current is not available)	Rechargeable battery pack NP-55/NP-66H/NP-77/NP-77H or Battery case (supplied)
In a room, etc. (where house current is available)	AC power adaptor AC-V30 or AC-D4L (See page ⓮.) or  AC power adaptor AC-V55
In a car	 DC battery pack DCP-55 (supplied for the car battery cord DCC-16B) or  AC power adaptor AC-V55 and car battery cord DCC-16A/DCC-16B or car battery charger DC-V30 The AC-V30 cannot be used in a car.

Precautions on power sources

- Be careful not to let any metal object touch the metal part on the battery pack or the AC power adaptor. When the battery pack is not used, keep it in its case.
- Keep the video TV recorder away from the power source. If not, noise may appear on the screen.

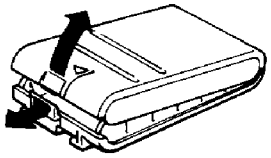
Notes on the use of the XV-M30 in a car

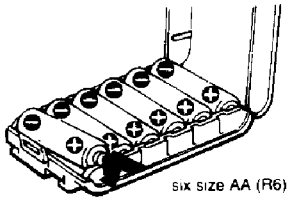
- When you use the DCP-55 or AC-V30, connect them only to the cars with negative ground 12V or 24V car battery.
- For your safety, do not watch the TV or operate the controls while driving.
- Avoid leaving the unit in a place with very high temperature. If you do, it may cause distortion of the cabinet or malfunction of the unit.
- If you use this unit while your car is not in use, the car battery will be consumed.
  Avoid using this unit in such condition over 12 hours.

Using on Batteries

Install six size AA (IEC R6) alkaline or manganese batteries in the battery case (supplied), and attach the case to the rear of the monitor.

Installing batteries

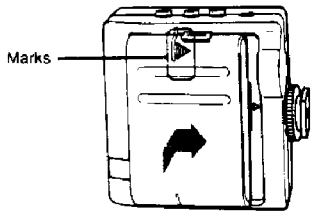




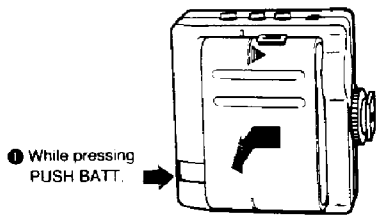
six size AA (R6) batteries

Attaching the case to the unit

Align the mark on the battery case with that of the monitor. Push and slide the case in the direction of the arrow until it is locked.



Removing the case



❷ Slide the case toward the left, then remove.

You can attach and remove the rechargeable battery pack in the same way as for the battery case.

Battery life

Manganese battery R6P (Sony SUM-3(NS))	About 45 minutes
Alkaline battery LR6 (Sony AM3(N))	About 160 minutes

(measured under a temperature of 25°C by using the monitor continuously with the VOLUME control set to the middle)

Notes on batteries

- Using the unit under an extremely low temperature or listening to at so loud a volume will shorten the battery life.
- When the batteries are exhausted, the picture becomes monochrome or invisible, or the internal fluorescent lamp does not light up. If this happens, replace all the batteries with the new ones.

Using with Rechargeable Battery

The monitor can also be used with the Sony NP-55, NP-66H, NP-77 or NP-77H rechargeable batteries. These rechargeable batteries are optionally available as accessories for Sony video camera recorders. Attach the rechargeable battery to the monitor in the same manner as for the battery case (supplied).

Battery life

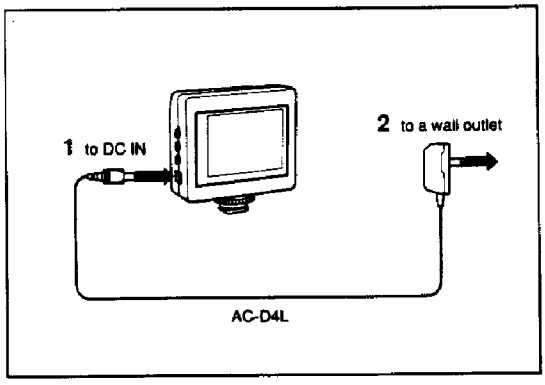
NP-55 (fully charged)	About 120 minutes
NP-66H (fully charged)	About 210 minutes
NP-77 (fully charged)	About 240 minutes
NP-77H (fully charged)	About 280 minutes

Note on the metallic parts

When the round metallic parts on the monitor and the battery case (or the rechargeable battery) get dirty, clean them with a soft cloth. The monitor and the battery case (or the rechargeable battery) come in contact with each other at the metallic parts. If they are dirty, the battery life may be shortened.

Using with House Current

Use the AC power adaptor AC-D4L, or the AC power adaptor (not supplied) listed on page⓭.



Notes

- Use only the recommended AC power adaptor manufactured by Sony. Polarity of the plugs of other manufacturers may be different.

Polarity of the Sony plug

- When the AC power adaptor is connected, the batteries are automatically disconnected.
- When the AC power adaptor is connected with the POWER switch turned on, the picture may not appear. In this case, turn off the power, and then turn it on again.
- When the unit is not used, disconnect the AC power adaptor from both the unit and the wall outlet.
- When disconnecting the AC power adaptor from the wall outlet, never pull the cord.
- During operation, do not cover the AC power adaptor with a cloth, etc. Otherwise, the casing may be transformed or the adaptor may be damaged.

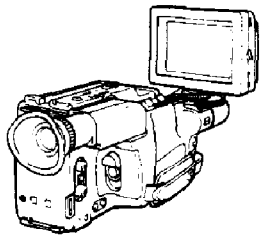
Power-saving function

When there is no video signal coming into the monitor, the power is automatically turned off, even with the POWER switch turned on. When the video signal is introduced again, the power also is turned on again. (If the power remains off, place the POWER switch to the power-off position and then to the power-on position.)

Mounting on the Video Camera Recorder

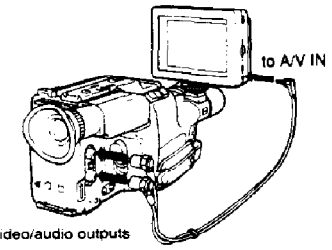
The monitor can be attached to the accessory receptacle on a video camera recorder. If you want to use the monitor on a desk or other surface, use the monitor stand supplied.

1 Fix the LCD color monitor to the accessory receptacle on the camera.



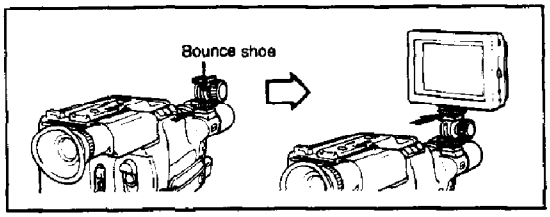
If there is no accessory receptacle on the camera, use the accessory shoe adaptor VCT-55L (not supplied).

2 Connect the monitor and the camera using the AV signal connecting cord (supplied).



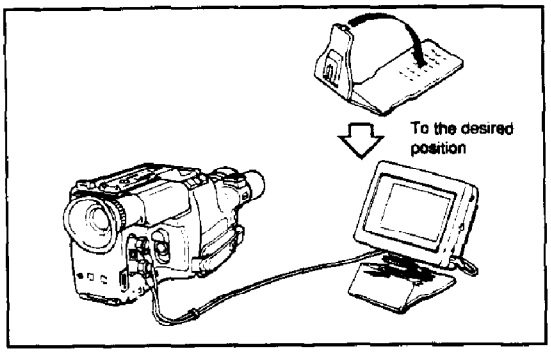
Changing the Angle of Liquid Crystal Panel

Use the bounce shoe supplied.



Using the Monitor on a Desk

Use the monitor stand supplied. Six different viewing angles are available.

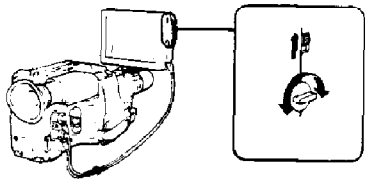


Viewing the Picture

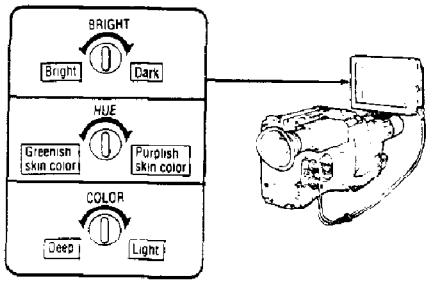
Set the video camera recorder to the playback or recording mode, and then adjust the monitor as described below. To get a clearer picture, use the shading hood supplied.

1 Turn on the monitor and adjust the volume.

When recording with the camera, turn down the volume to the minimum to prevent acoustic feedback (howling).

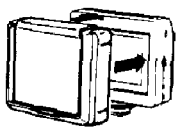


2 Adjust the picture.



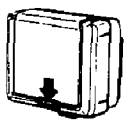
Attaching the Shading Hood

1

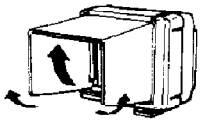


Shading hood

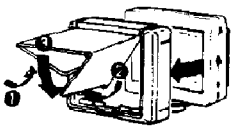
2



3



After use



Note on the picture search

If you make the picture or the FR picture search with this monitor, the picture may be in black and white, or the picture may shake vertically.

Precautions

On power sources

Operate the unit only on 6V DC.
For AC operation, use the optional Sony AC power adaptor recommended for this unit. Do not use any other AC power adaptor.

On safety

- Do not open the casing. Refer servicing to qualified personnel only.
- Should any solid or object liquid fall into the unit, especially into the DC IN jack, disconnect the power source and have the unit checked by the qualified personnel before operating it any further.

On installation

Do not place the unit in a hot place or in a place subject to excessive dust, moisture or vibration.

On LCD

- The picture is not visible outside under direct sunlight.
- The display may flash in white momentarily when you turn on or off the unit, but this is not a problem.
- Do not press the liquid crystal panel forcibly, as it may cause poor picture and damage to the unit.
- Use the unit within a temperature range of 5°C to 40°C.
- When you use the unit in a cold place, double images or delayed images may occur but this is not a malfunction.

On built-in fluorescent lamps

If the built-in fluorescent lamps flicker or do not light up when the power is turned on with no video signal input, it is time to replace them with new fluorescent lamps.
Consult your nearest Sony dealer.

- The life of the fluorescent lamps is approximately 2 years when used 2 hours a day.

Note

Due to the fluorescent lamp characteristics, the picture may flicker during some period after you have started using the monitor. If this happens, turn off the monitor and turn it on again.

On cleaning

Clean the unit with a soft cloth slightly dampened with a mild detergent solution. Never use strong solvents, such as thinner or benzine, as they may damage the finish.

If you have any question or problem concerning your unit that is not covered in this manual, please consult the nearest Sony dealer.

Specifications

Picture size	3-inch picture measured diagonally
Color system	NTSC
Effective picture size	61.7 x 44.5 mm (w/h) (2 1/2 x 1 13/16 inches)
Display	TN LCD/TFT active matrix method
Picture element	89,505 (234 x 383)
Audio output	100 mW
Speaker	28 mm (1 1/8 inches) dia.
Light source	Internal light (built-in fluorescent lamps)
Input jack	Audio/video input jack (A/V IN)
Output jack	Earphone jack
External power input	DC IN jack (6V)
Power requirement	6 V DC, see "Supplying the power."
Power consumption	Approx. 3W (DC)
Operating temperature	5°C to 40°C (41°F to 104°F)
Storage temperature	–20°C to 60°C (–4°F to 140°F)
Dimensions	99 x 84 x 38 mm (w/h/d) (4 x 3 3/8 x 1 1/2 inches) not including projecting parts and controls
Weight	Approx. 230g (8 oz) not including batteries
Supplied accessories	Battery case (1), Monitor stand (1), Shading hood (1), Bounce shoe (1), AV signal connecting cord (1)

Design and specifications are subject to change without notice.

Troubleshooting

Symptom	Cause/remedy
No picture nor sound	• The monitor is not connected to video camera correctly. • Polarity of the batteries are incorrect. • The batteries are exhausted. • The AC power adaptor is not fir connected to the wall outlet.
No picture	• Adjust the BRIGHT control. • The built-in fluorescent lamps d light. (See page (●.)
No sound from the speaker	• The VOLUME control is turned down to the minimum. • An earphone is connected.
Dark picture	• The batteries are exhausted.